

I. Amendments to the Claims

Please amend the claims as follows with the following version of the claims in accordance with revised 37 CFR § 1.121.

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1. (Canceled).

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20. (Canceled).

21. (New) A process for serving a web page, the process comprising the steps of:

prior to receiving a request for the web page, generating a Java object that implements an interface that defines a method for performing a function against an element in a Document Object Model (DOM) tree representing the web page; in response to receiving an initial request for the web page:

generating a DOM tree representing the web page;

replacing a custom tag in the DOM tree with a script;

processing the DOM tree to generate a servlet having a method call that is generated as a result of processing the script, wherein execution of the method call invokes the method in the Java object;

in response to receiving the initial request or a subsequent request for the web page:

executing the servlet; and

invoking the method in the Java object.

22. (New) The method of claim 21 wherein the step of invoking the method in the Java object further includes passing into the method an element in the DOM tree representing the custom tag.

23. (New) The method of claim 21 further comprising: processing a given file into XML compliant code; and translating the XML compliant code to generate the DOM tree.

24. (New) The method of claim 21 wherein the Java object is a Java bean.

5 25. (New) The method of claim 21 wherein access to the servlet is unrestricted and access to the Java object is restricted.

26. (New) The method of claim 21 further comprising:  
10 registering a set of custom tags in a tag library,  
wherein the tag library contains one or more elements defining custom tags, wherein an element defining a custom tag contains an attribute for a tag handler that processes an instance of the custom tag, wherein the Java object is a tag handler.

27. (New) A computer program product in a computer-useable medium for serving a web page, the computer program product comprising:

5 means for generating a Java object that implements an interface that defines a method for performing a function against an element in a Document Object Model (DOM) tree representing the web page prior to receiving a request for the web page;

10 means responsive to receiving an initial request for the web page: (a) for generating a DOM tree representing the web page; (b) for replacing a custom tag in the DOM tree with a script; (c) for processing the DOM tree to generate a servlet having a method call that is generated as a result of processing the script, wherein execution of the method call  
15 invokes the method in the Java object;

means responsive to receiving the initial request or a subsequent request for the web page: (d) for executing the servlet; and (e) for invoking the method in the Java object.

20 28. (New) The computer program product of claim 27 wherein the means for invoking the method in the Java object further includes passing into the method an element in the DOM tree for the custom tag.

29. (New) The computer program product of claim 27 further comprising:

means for processing a given file into XML compliant code; and

5 means for translating the XML compliant code to generate the DOM tree.

30. (New) The computer program product of claim 27 wherein the Java object is a Java bean.

10 31. (New) The computer program product of claim 27 wherein access to the servlet is unrestricted and access to the Java object is restricted.

15 32. (New) The computer program product of claim 27 further comprising:

means for registering a set of custom tags in a tag library, wherein the tag library contains one or more elements defining custom tags, wherein an element defining a custom tag  
20 contains an attribute for a tag handler that processes an instance of the custom tag, wherein the Java object is a tag handler.

33. (New) A computer system comprising:

a processor;

system memory;

means for generating a Java object that implements an  
5 interface that defines a method for performing a function  
against an element in a Document Object Model (DOM) tree  
representing the web page prior to receiving a request for the  
web page;

means responsive to receiving an initial request for the  
10 web page: (a) for generating a DOM tree representing the web  
page; (b) for replacing a custom tag in the DOM tree with a  
script; (c) for processing the DOM tree to generate a servlet  
having a method call that is generated as a result of  
processing the script, wherein execution of the method call  
15 invokes the method in the Java object;

means responsive to receiving the initial request or a  
subsequent request for the web page: (d) for executing the  
servlet; and (e) for invoking the method in the Java object.

20 34. (New) The computer system of claim 33 wherein the  
means for invoking the method in the Java object further  
includes passing into the method an element in the DOM tree  
for the custom tag.

35. (New) The computer system of claim 33 further comprising:

means for processing a given file into XML compliant code; and

5 means for translating the XML compliant code to generate the DOM tree.

36. (New) The computer system of claim 33 wherein the Java object is a Java bean.

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37. (New) The computer system of claim 33 wherein access to the servlet is unrestricted and access to the Java object is restricted.

15 38. (New) The computer system of claim 33 further comprising:

means for registering a set of custom tags in a tag library, wherein the tag library contains one or more elements defining custom tags, wherein an element defining a custom tag  
20 contains an attribute for a tag handler that processes an instance of the custom tag, wherein the Java object is a tag handler.